

National Initiative for Cybersecurity Careers and Studies (NICCS)
Webinar

Welcome to the NICCS Webinar!

Thank you for joining us today. During this presentation, you will:

- Learn about the National Initiative for Cybersecurity Education (NICE), and one of its implementation tools, the National Initiative for Cybersecurity Careers and Studies (NICCS).
- Discover new educational resources and learn how you can plot your career path.
- Obtain NICCS Supervisory Office (SO) contact information for follow-up questions and inquiries (<u>NICCS@hq.dhs.gov</u>).

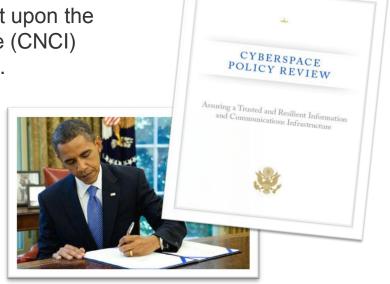
We encourage you to visit the <u>www.niccs.us-cert.gov</u> page during this presentation so you can navigate the site with us.



Cyber Threats Increase Every Day

The Department of Homeland Security (DHS) is responsible for overseeing the protection of the gov domain and for providing assistance and expertise to private sector owners and operators of cyber networks

- As a Nation, we must respond by improving our technical infrastructure and by developing and maintaining a highly skilled cyber workforce capable of protecting our networks against cyber attacks.
- In May 2009, the President ordered a Cyberspace Policy Review to develop a comprehensive approach to secure and defend America's infrastructure. The review built upon the Comprehensive National Cybersecurity Initiative (CNCI) launched by President George W. Bush in 2008.
- In this presentation, you will learn about an initiative that expanded from CNCI the National Initiative for Cybersecurity Education (NICE) and its goals to improve the Nation's cybersecurity workforce.



Formation of NICE

In response to increased cyber threats across the Nation, the National Initiative for Cybersecurity Education (NICE) expanded from a previous effort, the Comprehensive National Cybersecurity Initiative (CNCI) #8.

- NICE focuses on cybersecurity awareness, education, training, and professional development.
- NICE was formed in March 2011 and is a nationally-coordinated effort comprised of more than 20 federal departments and agencies, and numerous partners in academia and industry.

DHS has been working since October 2012 to fulfill recommendations that expand the national pipeline of men and women with advanced cybersecurity skills to enable DHS to become a preferred employer for the talent produced by that pipeline, and position the Department to help make the United States safer, more secure, and more resilient.



NICCS Goals

The vision of NICCS is to serve as an online resource for the Nation to learn about cybersecurity awareness, education, careers, and workforce development opportunities.

Goal 1: Build a National Cybersecurity Resource

 Elevate cybersecurity awareness and encourage the public to adopt a culture of cyberspace security.

Goal 2: Promote Cybersecurity Education

- Nurture the future cybersecurity workforce by promoting kindergarten through post graduate level education.
- Build an online community for cybersecurity professionals and others to gain knowledge related to their field.

Goal 3: Guide Cybersecurity Standards

 Guide the development of cybersecurity standards, training, and professional development to empower and advance cybersecurity personnel.



Welcome to NICCS!

Lets look at how to navigate NICCS & some of the resources that are available to you!





NICCS is a website that is applicable and useful to everyone, including students, teachers, HR managers, current IT professionals, and anyone else who wants to learn more about cybersecurity and how it impacts your life.



Navigating the Home Page



The layout of the **Home Page** is designed to
increase the visibility of
NICE initiatives in an
intuitive-format for the
user.

The banner at the top displays various links throughout the site.

The main page includes information for various demographic groups, such as students, professionals and veterans.

Navigating the Awareness Tab



Click on the **Awareness** tab for more information on how to safeguard yourself and your organization from cyber threats

The **Cyber Glossary** will assist users utilizing the site to become more familiar with cybersecurity lexicon.

The **Stop.Think.Connect.** campaign supports NICCS and is one way DHS is raising awareness of the increasing cybersecurity threat.

Navigating the Education Tab



To access the Education page, click on the **Education** tab.

Visit the **Degrees Page** to learn more about the majors and programs being offered throughout the country that lead to a career in cybersecurity.

The Hands on Experiences page provides resources where students can participate in various cyber clubs and competitions.

Navigating Education: Promoting Education



Learn more about Educational opportunities at the **Promoting Education** page.

This page gives users examples of how they can learn more about cybersecurity, as well as details how users in the public and private sector are working together to foster increased education

Learn more about Cyber Communities and how you can develop the technical skills necessary for a career in cybersecurity inside and outside the classroom.

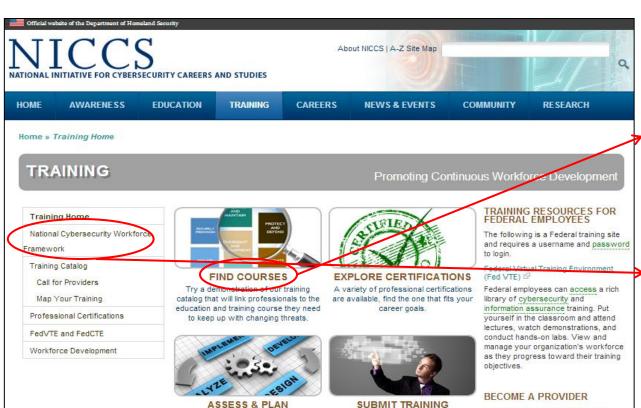


Navigating the Training Tab

Learn about skill gap analysis, training

strategies, and other activities to keep

your cybersecurity workforce on top.



If you are a commercial, academic, or

government agency you can register

your Cybersecurity & Information

Training Catalog.

Assurance courses in the Education and Want to list your course and provide

To access the Training Catalog, click on the **Training** tab.

On the training landing page, you can click either "Training Catalog," or the "Find Courses" button to enter the catalog.

Other links on this page will allow you to learn more about the National Cybersecurity
Workforce Framework.

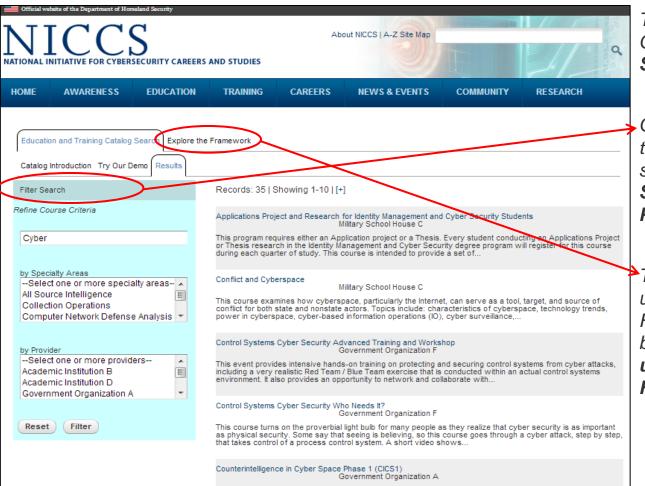
The NICCS Education and Training

Catalog will go live in 2013! Try Our

more visibility for your organization? Contact the NICCS SO [™] to become an official provider and participate in our

catalog launch.

Navigating Training: Catalog Search



To search the Training Catalog, click on the **Catalog Search** Tab.

Cyber Professionals can use the Training Catalog to search available courses by **Specialty Area**, **Keyword**, **Provider**.

Training can also be browsed using the interactive Framework Specialty Areas by clicking Browse Courses using the Workforce Framework.



Navigating Training: Explore the Framework



The Training tab will also allow users to explore the National Cybersecurity
Workforce Framework

To explore the Framework, click the tab to the right of the Catalog Search tab, **Explore the Framework**.

You can explore the Framework by clicking on Overview, Categories, Specialty Areas, KSAs, Competencies, and Tasks.

Navigating the Careers Tab

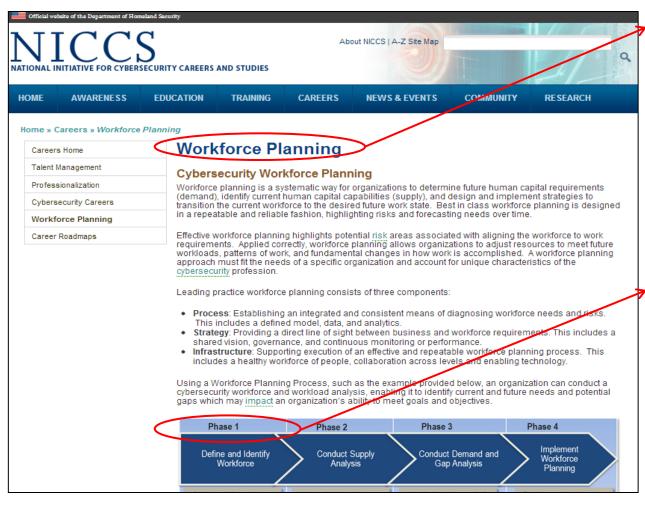


To access Careers Page, click on the **Careers** tab.

The left side navigation menu provides information on various career-oriented topics, such as professionalization and workforce planning.

Access various **NICE White Papers** to learn more about professionalization and workforce planning.

Navigating Careers: Workforce Planning

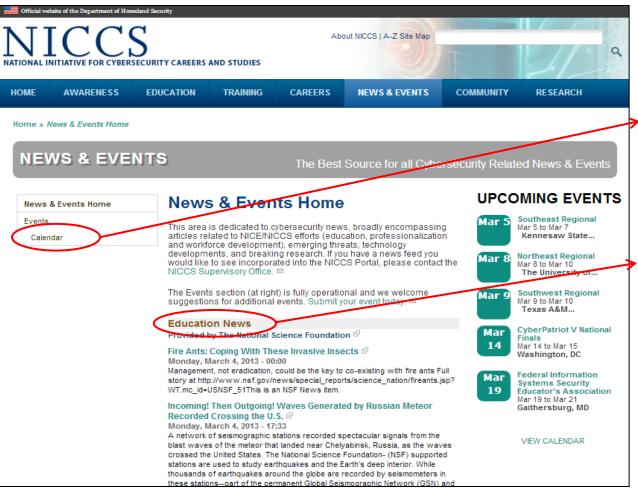


Learn more about how to build your organization at the **Workforce Planning** page.

This page defines cybersecurity workforce planning and details what organizations can do to build a dynamic workforce.

This page provides resources to HR Managers who need to organize their workforce, including a 4-phased Workforce Planning Process.

Navigating the News & Events Tab



To access the News & Events page, click on the **News & Events** tab.

Learn more about various upcoming events in the display menu, or click the calendar tab for a full view of upcoming events.

Access various industry articles to stay informed on cybersecurity news and developments.

Navigating the Research Tab



To access the Research page, click on the **Research** tab.

Learn more about the ever-growing field of cybersecurity by accessing various white papers and scholarly articles.

The **Document Library** will take users to external sites where they can access research articles, journals and white papers.

Questions?

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For any questions or concerns following this webinar, please use the NICCS Supervisory Office mailbox: NICCS@hq.dhs.gov.

Visit NICCS here: <u>www.niccs.us-cert.gov</u>

